



# Update

## MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION

Issue 28  
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### Technology Education



The 65<sup>th</sup> Annual Conference, March 13-15, 2003 in Nashville, TN – “Advancing Excellence in Technological Literacy: Student Assessment, Professional Development, and Program Standards” will include student assessment, professional development, and program standards. These standards are supportive of the already released *Standards for Technological Literacy: Content for the Study of Technology*. For information about ITEA's conference and standards go to [www.iteawww.org](http://www.iteawww.org). Missouri's very own Dr. Michael Wright of Central Missouri State University is the presiding president and we would like to see as many Missouri Technology Education Professionals attend in support of Mike and all he does for our profession. **If you would like to travel at no cost to the conference, contact Ben Yates at (660) 543-4304 or by email at [byates@cmsu1.cmsu.edu](mailto:byates@cmsu1.cmsu.edu) no later than February 15, 2003.**

**Newly Revised Missouri Technology Education Guide – NOW AVAILABLE!** This is a revision of the Missouri Industrial Technology Education Guide of 1991. The goal of the project was to preserve the quality and value of the 1991 document, as well as, to create a more user-friendly on-line tool that teachers and administrator can access on-line. You can view or download the newly revised MOTE Guide at [http://www.dese.state.mo.us/divvoted/tech\\_ed\\_index.htm](http://www.dese.state.mo.us/divvoted/tech_ed_index.htm) and click on the green button labeled “Curriculum” then click on curriculum guides. If you have questions about the guide you can contact Doug Miller at [dmiller1@mail.dese.state.mo.us](mailto:dmiller1@mail.dese.state.mo.us).

**Congratulations Mr. Ben Yates!** –Central Missouri State University announces that Ben Yates will be Assistant Professor in the Department of Career & Technology Education and his title will be Coordinator of Technology Education. The will become official on May 15, 2003. I know that Ben's leadership in Technology Education at CMSU and across the state will have a significant impact in bringing us into the 21<sup>st</sup> Century.

**Alternative Certification** – In response to the growing teacher shortage, the State Board of Education recently approved a rule change authorizing a one-year renewable certificate. It is available for all areas of certification except Elementary 1-6, Early Childhood, Early Childhood Special Education, and administration. For more information go to: <http://www.dese.state.mo.us/divteachqual/teachcert/tempauth.htm>.

**Needing a Technology Education Teacher** – Please send the following information to [dmiller1@mail.dese.state.mo.us](mailto:dmiller1@mail.dese.state.mo.us) :

**Subject: Need a Teacher**

District Name

District Contact Person Name

District Contact Phone Number and/or Email Address

Date Position Available

2 or 3 sentence description of the job opening

**Project Lead The Way (PLTW)** – We currently have 3 schools that have signed on to implement PLTW and 12 schools in the process of completing their school agreements with Project Lead The Way. For more information about PLTW go to: [www.pltw.org](http://www.pltw.org).



**ITEA News** – ITEA's IdeaGarden Listserv is a free resource offered to members only, in a teacher-to-teacher format for those interested in teaching technology. Two outstanding veteran technology teachers, Gary Wynn, DTE and Ron Yuill, DTE, both from Indiana, will field questions, offer ideas, chase resources, and interact with listserv subscribers. <http://www.iteawww.org/J6.html>.



Bright Ideas is a service provided by the International Technology Education Association with the intent of promoting technological literacy in our school systems. This online publication is emailed four times per year **FREE** to subscribers. <http://www.iteawww.org/brightideasform.html>.



## Missouri TSA

**Announcing the 2003-2004 TSA State Officer Candidates!!!!** The Missouri TSA State Officer Candidates are as follows: President – Laura McGowan, Adrian HS, Vice President – Kevin Brackett, Parkway South HS, Secretary – Laine Shay, Clinton MS, Treasurer – Michael Graves, Park Hill HS, Reporter – Rachel Cook, Adrian HS, Sergeant-at-Arms – Denton Berry, Adrian HS and Greg Utz, Park Hill HS.

**It's Coming Soon! The Missouri TSA State Leadership and Career Development Conference** – We are less than two months away from our Annual State Conference in Warrensburg, Missouri. The state officer team is preparing some special programs for this year that I think your students will enjoy. All of the information, registration and forms will be on-line at [http://www.dese.state.mo.us/divvoted/teched\\_mo\\_tsa.htm](http://www.dese.state.mo.us/divvoted/teched_mo_tsa.htm).

**State Recognition Award Forms** – The "Advisor of the Year" and "Chapter Excellence" Award forms are available in the back of the Technology Learning Activities guides (formerly curriculum guides). All other Missouri Recognition Award forms are available at [http://www.dese.state.mo.us/divvoted/tsa\\_recognition.htm](http://www.dese.state.mo.us/divvoted/tsa_recognition.htm) and they are **due to the State Advisor by March 1**.

**Leadership Connections Degree Program** – There is a self study degree program available on-line to all Missouri TSA students that provides the content, requirements and the application to receive the respective award. They are progressive and the first degree is the "Basic Degree" which is earned at our Annual Fall Leadership Connections Conference. The second degree is the "Academic Degree", the third degree is the "Collegiate Degree" and the fourth degree is the "Scholar Degree". These degrees are available for all Missouri TSA members who have completed of the respective requirements. For more information go to: [http://www.dese.state.mo.us/divvoted/tsa\\_lcdp.htm](http://www.dese.state.mo.us/divvoted/tsa_lcdp.htm)

**Chapter Affiliation Information** – The 2002-2003 Chapter Affiliation form is now available on-line in "Fill In PDF Format" at: [http://www.dese.state.mo.us/divvoted/teched\\_mo\\_tsa.htm](http://www.dese.state.mo.us/divvoted/teched_mo_tsa.htm). Just click on the button marked "Members". If you have not already processed your chapters' affiliation form, you will need to get it in the **mail prior to February 15, 2003** in order for your students to be eligible to attend the upcoming State Conference.



**Great Work Missouri! Our Membership Reached An All Time New High** – As of January 31, 2003 we have 32 chapters and 3,680 members. A big thanks to all our State Officers and the Board of Directors for their recruitment efforts.

**Special Senior Project** – *“For State Conference, we are preparing a two part power point presentation to recognize all the seniors prior to the Opening Ceremony and the Business Session. We need every senior to send a recent picture of them along with their name, name of high school, and their accomplishments during high school. We ask that advisors mail them by February 20, 2003 to: (this is not a mandatory activity, but we would like to encourage all seniors to participate)”* Allison Cook, Missouri TSA President

Allison Cook  
Adrian High School  
PO Box 98  
Adrian, MO 64720

**Statewide Community Service Project Campaign** – The State Officer Team has been hard at work to plan a State-Wide Community Service Project. *“It is going to be a teddy bear donation that will be given to a local children's hospital of your choosing. Each chapter should gather as many new teddy bears as possible and donate them (personally if possible) to the local hospital. I urge all of you to take lots of pictures and contact your local television and radio stations to promote your event. We are asking that you complete this project by February 15, 2003 and encourage all chapters to consider this as their holiday service project.”* Allison Cook, Missouri TSA President.

Please forward your chapters' pictures of this service project to:

Allison Cook or Laura McGowan  
Adrian High School  
PO Box 98  
Adrian, MO 64720

## Technology Education Resources



**DESE Web Resources** – This space will be used for the next several issues to feature a few of the resources now available to all Missouri Technology Education teachers via the DESE web pages. If you have a resource you think would be useful for other Technology Education teachers please forward the web address to [dmiller1@mail.dese.state.mo.us](mailto:dmiller1@mail.dese.state.mo.us) along with your contact information and we will do our best to make it available on-line.

**MITE** – The 3<sup>rd</sup> Annual *Missouri Institute for Technology Education* applications are now available on-line at [http://www.dese.state.mo.us/divvoted/teched\\_mite.htm](http://www.dese.state.mo.us/divvoted/teched_mite.htm). The Institute will kick off July 23-26, 2003 as a Post Conference event of Missouri ACTE/TEAM Summer Conference. If you have not participated in MITE this is a great time to make plans to attend. The only cost to participate is travel to and from each MITE activity.

**New Technology Education Program Standards and Indicators Tool Now On-Line** – The Missouri Technology Education Program Standards document is provided as an instrument for a self-evaluation of your districts program and a guide to prepare for MSIP. All Vocational Program areas in Missouri currently utilize a similar tool in preparation for their MSIP reviews and Perkins accountability. This will provide significant leadership to bring our programs up to speed with all other Missouri vocational programs. There will be an in-service opportunity provided by the Department of Elementary and Secondary Education at the Missouri ACTE/TEAM Summer Conference and other opportunities as they may arise. You can download and print the self-assessment tool at: [http://www.dese.state.mo.us/divvoted/teched\\_standards\\_&\\_evaluation.htm](http://www.dese.state.mo.us/divvoted/teched_standards_&_evaluation.htm)

**Tax Deduction for Education Professionals** – A federal tax deduction for teachers, aides, principals, and counselors was signed into law on March 9 as a part of the Bush economic stimulus package. In the past, only teachers who itemized could deduct such expenses. Even educators using the 1040EZ will now be able to take a deduction of up to \$250 a year for out-of-pocket classroom expenses. This tax deduction will be available to teacher during the next tax season. For more information go to [www.irs.gov](http://www.irs.gov) and search for publication 3991.



## Thoughts for Consideration

**Did you know.....** The following information and interesting facts were copied from the "Did you know?" web site. These facts and many others can be found at: <http://www.didyouknow.cd/index.html>.



*"The amount of time that people spend on travel has been consistent at 1,1 hours per person per day in all societies."*

*"Traffic jams of New York, San Francisco and Paris are well known - beaten only by those in Seattle where a driver annually spends 59 hours stuck in traffic."*

*"Traffic jams are nothing new. In 45 BC, Rome banned all vehicles from within the city - and in other cities vehicles, including horses, were allowed only at night... because of traffic jams."*

*"Traffic lights were used before the advent of the motorcar."*

*"Thomas Cook, the world's first travel agency in the world, was founded in 1850."*

*"The Wright Brother tested the first aeroplane in a wind tunnel before flying it."*

*"Air-filled tyres were used on bicycles before they were used on motorcars."*

*"A dog was the first in space and a sheep, a duck and a rooster the first to fly in a hot air balloon. A dog was the first to parachute."*

*"Electric cars were introduced in 1896 and by the end of the century almost 50% of motorcars worldwide were electric."*

*"Yet, by 1905 80% of cars were petrol driven and by 1920 the electric car was, well, almost history."*

*"The shortest scheduled airline flight is made between the island of Westray to Papa Westray off Scotland. The flight lasts 2 minutes."*

*"In 1913, the Russian Airline became the first to introduce a toilet on board."*

*"In 1620, Dutch inventor Cornelius van Drebbel launched the world's first submarine in the Thames."*

*"More than 60 million people annually visit France, a country of 60 million people."*

*"The first motorcycle speedway race was held in Maitland, Australia, in 1925."*

*"Mercedes Benz cars are named after Mercedes Jellinek."*

*"It is said that, in 1941 the Ford motor company produced an experimental automobile with a plastic body composed of 70% cellulose fibres from hemp. The car body could absorb blows 10 times as great as steel without denting. The car was designed to run on hemp fuel. Because of the ban on both hemp and alcohol, the car was never mass produced."*

*"There are more than 16,400 parking metres in Manhattan, New York."*

*"New York cabs get about 2000 tickets per month, handed out by about 2000 traffic attendants."*

*"Manhattan traffic crawls at an average of 6.2 miles an hour on midtown city streets."*

*"The first Ford cars had Dodge engines."*

*"About a quarter of the world still drives on the left, and the countries that do are mostly old British colonies."*

*"The Ilyushin-76TD is the world's largest waterbomber."*

*"The pilot with the most flying hours is American John Edward Long. From May 1933 to April 1977 he flew 62 654 hours, achieving a total of more than 7 years airborne."*

*"There are about a billion bicycles in the world, twice as many as motorcars."*

*"In 1955, the Ford Thunderbird outsold the Chevy Corvette 24 to one."*



*"The fewest aeroplane passengers killed in one year was 1 in 1993 and the most was 526 in 1985."*

*"In 1893 J. Frank and Charles E. Duryea produced the first successful gasoline-powered automobile in the United States. They began production of their Duryea in 1896, the same year Henry Ford started operations of his first successful car in Detroit."*

*"The usual thermal efficiency of reciprocal steam engine is 15%. That of steam turbine is over 40%."*

*"Nuclear ships are basically steamships and driven by steam turbines. The reactor just develops heat to boil the water."*

*"The world's oldest surviving boat is a simple 3 metre (10 feet) long dugout dated to 7400 BC. It was discovered in Pesse Holland in the Netherlands."*

*"Rock drawings from the Red Sea site of Wadi Hammamat, dated to around 4000 BC show that Egyptian boats were made from papyrus and reeds."*

*"The world's earliest known plank-built ship, made from cedar and sycamore wood and dated to 2600 BC, was discovered next to the Great Pyramid in 1952."*

*"The Egyptians created the first organized navy in 2300 BC."*

*"Oar-powered ships were developed by the Sumerians in 3500 BC."*

*"Sails were first used by the Phoenicians around 2000 BC."*

*"The first train reached a top speed of only 8 km/h (5 mph)."*



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for Missouri Technology Education Professionals

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